

the reflected Light will be more in proportion to the Light than they were in the incident green Light, and thereby will draw the reflected Light from green towards their Colour. And therefore the red Lead will appear neither red nor green, but of a Colour between both.

In transparently coloured Liquors 'tis observable, that their Colour uses to vary with their thickness. Thus, for instance, a red Liquor in a conical Glass held between the Light and the Eye, looks of a pale and dilute yellow at the bottom where 'tis thin, and a little higher where 'tis thicker grows orange, and where 'tis still thicker becomes red, and where 'tis thickest the red is deepest and darkest. For it is to be conceived that such a Liquor stops the indico-making and violet-making rays most easily, the blue-making rays more difficultly, the green-making rays still more difficultly, and the red-making most difficultly: And that if the thickness of the Liquor be only so much as suffices to stop a competent number of the violet-making and indico-making rays, without diminishing much the number of the rest, the rest must (by Prop. 6. *Lib. 2.*) compound a pale yellow. But if the Liquor be so much thicker as to stop also a great number of the blue-making rays, and some of the green-making, the rest must compound an orange; and where it is so thick as to stop also a great number of the green-making and a considerable number of the yellow-making, the rest must begin to compound a red, and this red must grow deeper and darker as the yellow making and orange-making rays are more and more stopt by increasing the thickness of the Liquor, so that few rays besides the red-making can get through.

Of

Of this kind is Mr. Halley, who, in a clear Sun-shine, at 100 Fathoms deep in the Hand in which Water looked off his Hand illuminated below looked green, that the Sea-water making rays most pass most freely, thereby the Sun's reason of the proportion appear red; and and intenser must the violet-making making, green-making, reflected from below ones, must compound

Now if there pose a red and a blue suffices to make the either Liquor be will you not be able if only the red-making and only the blue-making can pass through with Glass-wedge and was surprized of it being then understood more to his Experiment my self. But he the Liquors be of